



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION


**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

Rouse's Septic Tank Service
Donald Bryant
123 Pete Road
Newport, NC 28570

is hereby permitted to operate Septage Land Application Site with permit # **SLAS-16-05** located on SR 1124 in Carteret County at approximate position 34.78768° N latitude and -76.94779° E longitude. This site is permitted only for operations that are conducted in accordance with the representations made in the approved application, with all conditions attached to this permit, and with all of the provisions of 15A NCAC 13B.0800 -- Septage Management. Failure to operate as permitted may result in the Department suspending or revoking this permit, initiating action to enjoin the unpermitted operation, imposing administrative penalties, or invoking any other remedy as provided in Chapter 130A, Article 1, Part 2 of the North Carolina General Statutes.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in effect at the time of review.

Date Issued 10/6/2014


Martin A. Gallagher, Branch Head
Composting & Land Application Branch

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Telephone 919-707-8200 \ Internet <http://portal.ncdenr.org/web/wm/sw>

CONDITIONS OF OPERATING PERMIT

1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Donald Bryant and approved by the Division of Waste Management. The 4 acre site shall remain established in Coastal Bermudagrass and be overseeded with annual ryegrass between September 15 and November 15 of each year at a seeding rate of 30 lbs/ac (broadcast). Areas where the bermudagrass stand falls below 80% in coverage shall be resprigged in Coastal Bermudagrass in the spring or seeded with Cheyenne Bermudagrass from April 1 to April 30. The bermudagrass shall be cut and baled whenever it reaches 12 inches in height or roughly every 4 to 6 weeks beginning in June. The bermudagrass will be disposed of as yard debris. The ryegrass shall be cut and baled from the site beginning in March and disposed as yard debris. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Donald Bryant in such a manner as to prevent the migration of wastes off of the designated waste receiving site. A 50-foot buffer of bermudagrass and ryegrass shall be maintained around the perimeter of the permitted area. Any site improvements noted in the plan must be installed within 30 days of plan approval. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other local, state, and federal government agencies which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the Federal Regulations listed in the Code of Federal Regulations, 40 CFR Part 503.
5. This permit may be modified or reissued at any time to incorporate any conditions, limitations, and / or monitoring requirements the Division deems necessary to adequately protect the environment and public health.

6. **This site is only permitted for the land application of domestic septage and grease trap pumpings.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 4 acres that are available for land application of septage. The maximum annual application rate shall be 50,000 gal/ac/yr for a total maximum annual application amount of 200,000 gallons.** This application rate assumes equal septage distribution, on an annual basis, over the entire permitted area. Application amounts to the site shall not exceed the maximum annual application rate or the monthly rates as listed in the approved nutrient management plan for the site.
8. An approved above ground septage detention system with a minimum design capacity of 4,000 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.
9. Only the area designated on the attached site map(s) shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage shall not be applied during periods of high soil moisture. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.

13. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the Permittee or an employee of the firm named in this permit shall discharge septage at this site without prior appropriate notification and written approval from the Division.
14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure. This permit is non-transferable.
15. **This permit shall expire on April 15, 2018.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date. A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0838 (e) (1) of the NC Septage Management Rules and the Code of Federal Regulations, 40 CFR Part 503.17 (b).
16. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division upon request.
17. Any duly authorized officer, employee, or representative of the Division may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
18. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site. Boundaries of the permitted septage land application fields shall be clearly marked on the ground.
19. The areas that can be used for land application of septage shall be maintained to meet the minimum setback distances as described in NC Septage Management Rule 15A NCAC 13B .0837 (d) such as 500 feet from any existing wells, residences, places of business, or places of public assembly. Also, septage shall not be disposed of within 50 feet of any property line or within 100 feet of any ditch.



**CRYSTAL COAST
STITCHERY**

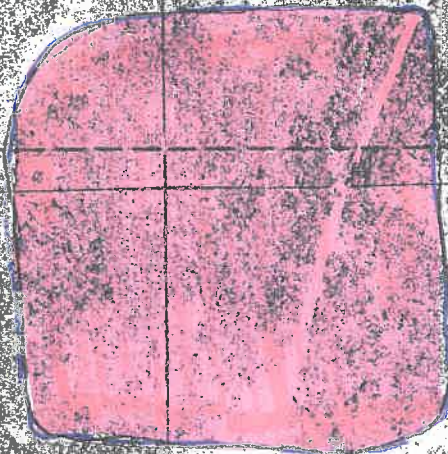
Detention
Facility on this
site

~~S.T.D.F.~~ S.T.D.F. 16-05

#1605
Bell Farm
9 mile Rd off ^{Hwy} 24
Bell Farm Rd

SLAS-16-05
Carteret County
Scale 1" = 200'
4 acres

INDEXED ON
631802





North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

May 4, 2015

Mr. Donald Bryant
Rouse's Septic Tank Service
123 Pete Road
Newport, NC 28570

**RE: SLAS-16-05 Permit Renewal
Rouse's Septic Tank Service
SR 1124 in Carteret County**

Dear Mr. Bryant:

The NC Division of Waste Management has reviewed your application for permit renewal of Septage Land Application Site, **Permit # SLAS-16-05**, in Carteret County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-16-05**, is enclosed.

Please read all permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit. The permitted maximum annual application rate for this site is stated within Permit Condition 7. Also, an application for permit renewal must be submitted at least ninety (90) days prior to the permit expiring as stated within Permit Condition 15. **The enclosed permit shall expire on April 15, 2018.**

Violations to the NC Septage Management Rules or this permit could subject you to administrative penalties of up to \$15,000 per violation per day. If you have any questions concerning your permit or septage in general, please contact me at (919) 707-8283. When communicating to the Division about this permit, please refer to it as "**SLAS-16-05.**"

Sincerely,

Chester R. Cobb, Soil Scientist
Division of Waste Management, NCDENR

Enclosures

cc: Central File
John College, Environmental Senior Specialist
Bobby A. Bell, Landowners
Carteret County Health Department

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APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I. Site and Operator Information

1. Applicant ROUSE'S SEPTIC TANK SERVICE
Address 123 PETE RD
NEWPORT, N.C. 28570
Phone 252-726-6761

2. Contact person for site operation (if different from applicant): DONALD BRYANT
Title or position PUMP Phone 252-726-6761
Address 123 PETE RD
NEWPORT, N.C. 28570

3. Landowner BOBBY BELL
Address 275 BELL FARM RD
NEWPORT, N.C. 28570

4. Site Location: County CARTERET State Road Number BELL FARM RD
Directions to site: FROM NY 70 TURN ON 9 FT ROAD GO TO
BELL FARM RD GO TO END OF THE ROAD

5. Indicate whether request is: new _____ renewal ☒ modification _____

For a permit renewal or modification, provide the following information:

Existing site permit number: SLAS # 16-05 permit expiration date: 4-15-2013

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 4 acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:
(a) None ☒, or (b) Attach a list indicating other substances, the amounts discharged, and the dates of discharge.

8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the landowner (if the permit applicant does not own the property). **If a corporation owns the land use a corporate landowner authorization form. If limited liability company owns the land, use a limited liability company landowner authorization form.**

9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report. ON FILE

10. Attach a vicinity map (county road map showing site location).

(over) ON FILE

II. Site Management Information:

The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): SDTF #16-05 - WWTP MOREHEAD CITY, N.C.
4. Types of septage proposed to be discharged at the site (check all that apply):
 - (a) Domestic septage pumped from septic tanks ✓
 - (b) Grease trap pumpings ✓
 - (c) Portable toilet waste _____
 - (d) Commercial / Industrial septage _____
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): PH WILL BE RAISED TO 12.0% BEFORE APPLYING TO FIELD SEPTAGE WILL BE STABILIZED AT 12% FOR 30 MINUTES & GREASE FOR 2 HRS BEFORE APPLIED
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): SEPTAGE WILL BE SPRAYED WITH A SPLASH PLATE FROM A MOVING TRUCK AND SPRAYED EVENLY ACROSS SITE
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law ** or if any part of the site specified is not agricultural land (use additional paper to explain if necessary):
LAND IS CURRENTLY AGRICULTURE

III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.

Donald Bryant
Signature***

1-2-13
Date

DONALD BRYANT
Print name

SITE MANAGER
Title

Note: This application will not be reviewed until all parts of the application are complete.

* Refer to Section .0837(e) of the N.C. Septage Management Rules.

** Refer to Section .0837(g) of the N.C. Septage Management Rules.

***Signature of company official required.

Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I, BOBBY & JOY BELL (name of site owner) hereby certify that I am the owner of
4 acres of land located BELL FARM RD
and identified by BOOK 735 PAGE 125 (book and page of recorded deed
or tax map parcel) and that I agree to allow DONALD BRYAN (name of site
operator) to use said land for septage land application for a period of 5 YEARS (length
of time), beginning 4-15-2013 (month, day and year) and that I have read the
North Carolina Septage Management Rules *, and I understand and agree to maintain the restrictions on
land use after septage land application ends **. I further understand that no septage may be land applied
until the Division of Waste Management has issued a permit for a septage land application site. The above
described property is owned solely by me or jointly with Bobby A. Bell & wife
Joy W. Bell (names of all co-owners, or state none).

Signature of landowner Bobby A. Bell Date 12-20-12

Signature of landowner Joy W. Bell Date 12-20-12

Sworn to and subscribed before me this 20 day of December, 20 12.

Terri A. Jenkins
(Notary Public)

My Commission expires: 10/7/2013

* 15A N.C. Admin. Code 13B Section .0800

** As required by Rule .0843



ROUSE'S SEPTIC SERVICE
NUTRIENT MANAGEMANT PLAN

2013

SEPTAGE APPLICATION TO BERMUDAGRASS
AND RYEGRASS

A. Best Management Practices

The undersigned parties agree to manage the septic disposal site (1605) located on the Bell Farm, Nine Mile Road, Carteret County, according to the following best management practices. This list of practices has been specifically designed for the land application of septage by ROUSE'S SEPTIC TANK SERVICE.

B. Land Area:

The land area (approximately 6.0 acres) is currently being permitted for septage application.

A permanent Bermuda grass pasture has been established and has been over seeded with annual ryegrass.

Recommend that the application field be rotated with another approved site.

Recommend a weed control program be established to control nut grass and some broadleaf weeds.

C. General Information:

1. Waste analysis will be conducted at least once per year.
2. Field area (approximately 6.0) will be divided into two equal fields.
3. The dominant soil series at this site is Goldsboro.

4. Septage will not be applied where the site is untrafficable.
(Untrafficable is defined as a soil that will allow a loaded truck to leave a depression in sod greater than 3 inches in depth)
5. Septage storage shall be provided to account for the average volume of septage pumped per week.

D. Crops To Be Grown and Approximate Planting Times:

1. Fields, including 50 ft. buffer zones, was sprigged in coastal bermudagrass at the rate of 35 bu/ac and established a permanent stand. Recommend that the area still be improved each spring by sprigging additional spotted areas that have a poor stand of established bermudagrass.

Another alternative is to seed Cheyenne Bermuda grass from April 1 through April 30 to maintain a good stand of grass.

The field was overseeded with annual ryegrass at the rate of approximately 30 pounds/ac (broadcast) during the time frame of Sept 15- Nov15. Recommend that this practice be continued.

E. Nitrogen Needs For The Crop Grown:

R.Y.E. = Realistic Yield Expectations

N. App. Rate = Suggested N application rate based on R.Y.E.
for soil type.

Crop	R.Y.E.	N app. Rate	lbs. N/ac
Coastal Bermudagrass	5.0 tons/ac	X 40 lbs N/dry tons	=200.0
Annual Ryegrass	2.5 tons/ac	X 25 lbs N/dry tons	= 62.5

TOTAL			= 262.5

F. Relative Application rate for Field (divided)

Month	Fields (1)
JAN	LOW
FEB	LOW
MAR	LOW
APRIL	MED
MAY	MED
JUNE	HIGH
JULY	HIGH
AUG	HIGH
SEPT	MED
OCT	LOW
NOV	LOW
DEC	LOW

LOW= 5,000 gallons; MED = 10,000 gallons; HIGH= 15,000 gallons

NOTE: CUMULATIVE APPLICATIONS RATE IS NOT TO EXCEED THE PERMITTED RATE.

G. Application Method:

The preceding information is based on the septage being evenly applied over the entire permitted site or field. This can be done with application truck or an irrigation system.

H. Additional Fertility Requirements:

N-P-K will be added to the land application area and buffer zones to maintain fertility levels which will be based on the NCDA soil test results in order to maintain a good stand of grass.

I. Harvest of the Crop:

1. The bermudagrass will be cut and baled whenever it reaches 12 inches in height, or roughly every 4 to 6 weeks beginning in June. Approximately three or four cuttings can be expected.

The cut hay will be removed and disposed with normal yard debris.

2. The ryegrass will be cut, baled and removed from field and disposed With normal yard debris.

SOIL EROSION AND RUNOFF CONTROL PLAN

Given that slopes on this site does not exceed three percent and a high infiltration rate of the soil, a 50 foot buffer, planted in bermudagrass/ryegrass, should suffice to prevent septage waste from migrating off the field.

Submitted by: Donald Bryant Date 12/20/12
(Site Operator)

Plan Prepared by: Ray Harris Date 12/20/12
Address: Cooperative Extension Service
303 College Circle
Morehead City, NC 28557
Phone: 252-222-6352

SEPTAGE LAND APPLICATION LOG

CERTIFICATION

Site Operator: DONALD BRYANT

SLAS Permit #: 16-05

Site Location: 34 47 15 LAT 276 56 60 LONG
(street address for the site or latitude and longitude)

Number of acres permitted: 4 ACRES

Permitted application rate: 50,000 GALLONS PER ACRE
(gallons septage per acre per year)

Crop(s): COASTAL BERMUDAGRASS - ANNUAL RYE GRASS

Crop nitrogen requirement(s): BERMUDAGRASS 5.0 TONS/AC X 40 LBS N/PM TONS = 200
ANNUAL RYE GRASS = 2.5 TONS/AC X 25 LBS N/PM TONS = 62.5
(pounds nitrogen per acre)

CERTIFICATION:

"I certify, under penalty of law, that the pathogen requirements in (insert either 503.32 (c)(1) or 503.32 (c)(2)) and the vector attraction reduction requirements in (insert 503.33 (b)(9), 503.33 (b)(10) or 503.33 (b)(12)) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Donald Bryant
(signature)

1-2-13
(date)

SLAS Permit Review

Permit #:

SCAS-16-05

Application
Received:

1-7-13

☐ NEW☒ RENEWAL☐ MODIFICATION

ISSUED: 5-1-08

EXPIRES: 5-15-13

APPLICATION

- COMPLETE

DOMESTIC & GREASE

LANDOWNER AUTHORIZATION FORM

- 5 YRS FROM 4-15-13

MAPS

ON FILE

NUTRIENT MANAGEMENT PLAN

Crops:

BERMUDAGRASS / SMALL GRAIN OVERSEED



Planting:



80% coverage (replanting guidelines):



Harvest:



Soil Erosion and Runoff Control Plan:

Fields:

1

Acres:

4.0

Maximum Annual Application Amount:

200,000

gal.

RECORDS

Septage Land Application Log Cover Sheet



Overapplied

MONTHLY BUT NOT ANNUAL PERMIT AMOUNT.
OVER 1,500 gal → FEB. 2012 1,000 gal → JAN. 2013
1,500 gal → OCT. 2012
3,000 gal → NOV. 2012

COMPLIANCE ISSUES AND OTHER COMMENTS

(NOV's and NOD's)

- CALLED SNIFFY ON 9-29-14 ABOUT FAXING 2013 RECORDS
FOR SCAS-16-05
- RECORDS (2013) RECEIVED ON 9-30-14

34.78768°N, -76.94779°W

SLAS-16-05									
2008									
	Septage	Grease	PTW	Field	Field	Field	Field	Rate	Amount
January				8,000				L	20,000
February				4,000				L	20,000
March				10,000				L	20,000
April				11,000				M	40,000
May				16,000				M	40,000
June				11,000				H	60,000
July				19,000				H	60,000
August				14,000				H	60,000
September				12,000				M	40,000
October				13,000				L	20,000
November				8,000				L	20,000
December				9,000				L	20,000
TOTAL	0	0	0	135,000	0	0	0	135,000	
			0	200,000	0	0	0	200,000	
2009									
	Septage	Grease	PTW	Field	Field	Field	Field	Rate	Amount
January				8,000				L	20,000
February				11,000				L	20,000
March				8,000				L	20,000
April				14,000				M	40,000
May				14,000				M	40,000
June				15,000				H	60,000
July				11,000				H	60,000
August				13,000				H	60,000
September				10,000				M	40,000
October				11,000				L	20,000
November				9,000				L	20,000
December				11,000				L	20,000
TOTAL	0	0	0	135,000	0	0	0	135,000	
			0	200,000	0	0	0	200,000	
2010									
	Septage	Grease	PTW	Field	Field	Field	Field	Rate	Amount
January				7,000				L	20,000
February				4,000				L	20,000
March				8,000				L	20,000
April				10,500				M	40,000
May				8,500				M	40,000
June				12,000				H	60,000
July				11,000				H	60,000
August				8,000				H	60,000
September				4,000				M	40,000
October				15,500				L	20,000
November				16,500				L	20,000
December				9,800				L	20,000
TOTAL	0	0	0	114,800	0	0	0	114,800	
			0	200,000	0	0	0	200,000	

2011									
	Septage	Grease	PTW	Field	Field	Field	Field	Rate	Amount
January				10,000				L	20,000
February				10,000				L	20,000
March				11,000				L	20,000
April				9,000				M	40,000
May				17,000				M	40,000
June				9,000				H	60,000
July								H	60,000
August								H	60,000
September								M	40,000
October								L	20,000
November				3,000				L	20,000
December				17,000				L	20,000
TOTAL	0	0	0	86,000	0	0	0	86,000	
			0	200,000	0	0	0	200,000	
2012									
	Septage	Grease	PTW	Field	Field	Field	Field	Rate	Amount
January				9,000				L	20,000
February				21,500				L	20,000
March				19,000				L	20,000
April				11,500				M	40,000
May								M	40,000
June								H	60,000
July								H	60,000
August								H	60,000
September								M	40,000
October				21,500				L	20,000
November				23,000				L	20,000
December				3,500				L	20,000
TOTAL	0	0	0	109,000	0	0	0	109,000	
			0	200,000	0	0	0	200,000	
2013									
	Septage	Grease	PTW	Field 1	Field 2a	Field 2b	Field 3	Rate	Amount
January				21,000				L	20,000
February				12,500				L	20,000
March				20,000				L	20,000
April				17,000				M	40,000
May				3,000				M	40,000
June								H	60,000
July								H	60,000
August				12,000				H	60,000
September				17,000				M	40,000
October				14,000				L	20,000
November				14,500				L	20,000
December				8,000				L	20,000
TOTAL	0	0	0	139,000	0	0	0	139,000	
			0	200,000	0	0	0	200,000	